

THEREFORE I CLAIM

1. A tool assembly for cutting a pipe and beveling an end edge portion of the pipe, said tool assembly comprising:
 - 5 a) a rotary power saw section comprising:
 - i) a rear handle grip portion which is adapted to be manually grasped, and
 - ii) a forward saw portion having a saw mounting portion with a rotary drive member to which a rotary saw blade can be mounted, said rotary drive member having a transverse axis of rotation,
 - 10 b) a bevel section comprising a mounting section arranged to be connected to the rotary drive member so as to be rotatable therewith, a bevel cutting section connected to the mounting section so as to be rotatable therewith and comprising a bevel member adapted to be located in an operating position to bevel a pipe end edge portion, said bevel cutting section having a locating surface portion rotatable with said bevel section, and located adjacent to said bevel member in its operating position to engage the pipe end edge portion to locate said bevel section.
- 15 2. The assembly as recited in Claim 1, wherein said bevel cutting section comprises a locating member having an end edge portion which comprises said positioning surface which extends around an axis of rotation of said bevel member.
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3. The assembly as recited in Claim 2, wherein said bevel member and said locating member are adjustably movable relative to one another along said axis of rotation of said bevel member.
- 5 4. The assembly as recited in Claim 3, wherein said locating member comprises a side wall which defines a recess, in which to receive said bevel member.
- 10 5. The assembly as recited in Claim 2, wherein said locating member is adjustably mounted to said mounting section, so as to be able to be positioned at different locations along the axis of rotation of the bevel member.
- 15 6. The assembly as recited in Claim 5, wherein said locating member threadedly engages said mounting member.
- 20 7. The assembly as recited in Claim 6, wherein said bevel member connects to said mounting section, so that the relative locations of the bevel member and the locating member can be modified by adjustably moving said locating member relative to said mounting section.
- 25 8. The assembly as recited in Claim 6, wherein said bevel member has a threaded connecting portion which connects to a threaded socket in said drive member.

9. The assembly as recited in Claim 2, wherein said mounting section has a collet connecting portion to engage said bevel member.
- 5 10. The assembly as recited in Claim 1, wherein said bevel member has a slanting cone-shaped cutting surface, having a larger diameter base end portion and a apex end portion, said bevel member having adjacent its apex end a lateral positioning member which has a surrounding positioning surface to engage a side wall of a pipe on which a beveling operation is being performed.
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11. The assembly as recited in Claim 10, wherein said assembly comprises a locating member which provides said locating surface which extends circumferentially around said locating member, said locating member being movably adjustable along an axis of rotation of said mounting section and said bevel member.
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12. The assembly as recited in Claim 10, wherein said lateral positioning member has a surrounding rotatable bearing on which is the positioning surface.
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13. The assembly as recited in Claim 11, wherein said locating member is adjustably mounted to said mounting section, so
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as to be able to be positioned at different locations along the axis of rotation of the bevel member.

14. The assembly as recited in Claim 13, wherein said locating
5 member threadedly engages said mounting member.
15. The assembly as recited in Claim 1, wherein said bevel
section comprises:
- 10 a) said mounting section comprising a threaded end
connection adapted to engage said rotary drive
member so as to be rotatable therewith, an
intermediate threaded portion having a first end
connected to said threaded end connector, and a bevel
end connecting portion connected to said intermediate
15 threaded end portion;
- b) said bevel cutting section comprising:

- said bevel member having a bevel connecting member portion arranged to be connected to the bevel end connecting portion of the mounting section,
 a locating member having an end edge portion which
 5 provides said locating surface portion, said locating member having a threaded connecting portion arranged to threadedly engage said intermediate threaded portion of the mounting section so as to be adjustably movable relative thereto, said locating
 10 member also having a recess in which to receive said bevel member,
 said bevel member having a slanted cone-shaped cutting surface having a base end portion and said apex end portion, a lateral positioning member which is
 15 located adjacent an apex end of said bevel member, said lateral positioning member having a surrounding positioning surface to engage a sidewall of a pipe on which a beveling operation is to be performed.
- 20 16. A method of beveling an end edge portion of the pipe, said method comprising:
- a) providing a rotary power saw wherein said rotary power saw section comprises:
 - i) a rear handle grip portion which is adapted to be
 25 manually grasped;

- ii) a forward saw portion having a saw mounting portion with a rotary drive member to which a rotary saw blade can be mounted, said rotary drive member having a transverse axis of rotation;

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- b) providing a bevel section comprising a mounting section and a bevel cutting section connected to said mounting section, with said bevel cutting section having a locating surface and a bevel member;
- 10 c) connecting said mounting section to said rotary drive member so that said mounting section and said bevel cutting section with said bevel member and said locating surface rotate with said drive member;
- 15 d) positioning said rotary power saw so that said bevel member is adjacent to the end edge portion of the pipe and said locating surface is positioned against said end edge portion of the pipe;
- e) operating said rotary power saw to rotate said drive member and thus rotate said bevel member;
- 20 f) moving said rotary power saw so that said bevel section moves around the end edge portion of the pipe to form a bevel surface with the locating surface portion engaging the end edge portion to properly locate the bevel member.

17. The method as recited in Claim 16, wherein said bevel cutting section comprises a locating member having an end edge portion which comprises said positioning surface and which extends around an axis of rotation around said bevel member, said method further comprising adjustably connecting said locating member to said mounting section, and selectively positioning said locating member along an axis of rotation of said bevel member to control depth of a bevel cut which is made.
18. The method as recited in Claim 17, wherein said locating member threadedly engages said mounting member, said method further comprising rotating said locating member to adjust the position of the locating member.
19. The method as recited in Claim 17, wherein lateral positioning of said bevel member is controlled by providing a lateral positioning member having a surrounding positioning surface to engage a sidewall of said pipe, and locating said lateral positioning member at an apex end portion of said bevel member.
20. A bevel apparatus adapted to be connected to a drive member to perform a beveling operation, said bevel apparatus comprises:

- a) a mounting section having:
 - i) a threaded end connection adapted to engage a rotary drive member so as to be rotatable therewith;
 - 5 ii) an intermediate threaded portion having a first end connected to said threaded end connector;
 - iii) a bevel end connecting portion connected to said intermediate threaded end portion;
- b) a bevel cutting section comprising:
 - 10 i) a bevel member having a bevel connecting member portion arranged to be connected to the bevel end connecting portion of the mounting section;
 - 15 ii) a locating member having an end edge portion which provides a locating surface portion, said locating member having a threaded connecting portion arranged to threadedly engage said intermediate threaded portion of the mounting section so as to be adjustably movable relative thereto, said locating member also having a
 - 20 recess in which to receive said bevel member;
 - iii) the bevel member having a slanted cone-shaped cutting surface having a base end portion and an apex end portion;
 - 25 iv) a lateral positioning member which is located adjacent the apex end of said lateral positioning

member having a surrounding positioning surface to engage a sidewall of a pipe on which a beveling operation is to be performed.